

Application No. 10/535,653
 Amendment dated April 10, 2008
 Reply to Office Action of January 1, 2008

Docket No.: 61904A US

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AMENDMENTS TO THE CLAIMS

WE CLAIM

1. (Original) A compound having the following formula

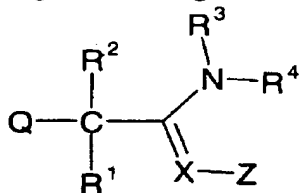


Figure One

wherein

Q can be any five- or six membered carbocyclic or heterocyclic ring,

X is N, CR, COR, CSO_nR (where n = 0, 1, or 2), CN(R)₂, C(C=O)R, C(C=S)R, C(C=NR)R, CP(=O)_m(R)₂ (where m = 0 or 1), or CP(=S)_m(R)₂ (where m = 0 or 1),

wherein each R independently can be

- a C₁₋₁₀, branched or unbranched, alkyl, alkoxy, alkenyl, alkynyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylcarbonyl, alkylcarbonothioyl, alkoxycarbonyl, alkylthiocarbonyl, alkoxycarbonothioyl, alkylthiocarbonothioyl, or HC(=NH)-,
- a C₃₋₁₀, cycloalkyl, or cycloalkenyl,
- an aryl, heterocyclyl, aryloxy, heterocyclyloxy, arylthio, heterocyclylthio, arylamino, or heterocyclylamino, or
- a hydro, hydroxy, mercapto, amino, cyano, formyl, nitro, halo, or aminocarbonyl,

Z is CN or NO₂,

R¹ and R² each independently can be

- a C₁₋₁₀, branched or unbranched, alkyl, alkoxy, alkenyl, alkynyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylcarbonyl, alkylcarbonothioyl, alkoxycarbonyl, alkylthiocarbonyl, alkoxycarbonothioyl, alkylthiocarbonothioyl, or HC(=NH)-,
- a C₃₋₁₀, cycloalkyl, or cycloalkenyl,
- an aryl, heterocyclyl, aryloxy, heterocyclyloxy, arylthio, heterocyclylthio, arylamino, or heterocyclylamino, or
- a hydro, hydroxy, mercapto, amino, cyano, formyl, nitro, halo, or aminocarbonyl,

R¹ and R² can optionally be linked together with either a bond or a chain of 1-4 atoms, where such atoms can be carbon, nitrogen, sulfur, phosphorus and oxygen,

R³ and R⁴ each independently can be,

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- (a) a C₁₋₁₀, branched or unbranched, alkyl, alkoxy, alkenyl, alkynyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylcarbonyl, alkylcarbonothioyl, alkoxycarbonyl, alkylthiocarbonyl, alkoxycarbonothioyl, alkylthiocarbonothioyl, or HC(=NH)-,
- (b) a C₃₋₁₀, cycloalkyl, or cycloalkenyl,
- (c) an aryl, heterocyclyl, aryloxy, heterocyclyloxy, arylthio, heterocyclthio, arylamino, or heterocyclylamino, or
- (d) a hydro, hydroxy, mercapto, amino, cyano, formyl, nitro, halo, or aminocarbonyl,

R² and R³ can optionally be linked together with a chain of 1-4 atoms, where such atoms can be carbon, nitrogen, sulfur, phosphorus and oxygen,
R³ and R⁴ can optionally be linked together with a chain of 1-4 atoms, where such atoms can be carbon, nitrogen, sulfur, phosphorus and oxygen,

Each member of Q, X, R, R¹, R², R³, and R⁴, which may have a hydrogen atom in a certain position, may instead of having such hydrogen atom, have a,

- (a) a C₁₋₁₀, branched or unbranched, alkyl, alkoxy, alkenyl, alkynyl, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylcarbonyl, alkylcarbonothioyl, alkoxycarbonyl, alkylthiocarbonyl, alkoxycarbonothioyl, alkylthiocarbonothioyl, HC(=NH)-, dialkylphosphonyl, or dialkylphosphatyl,
- (b) a C₃₋₁₀, cycloalkyl, or cycloalkenyl,
- (c) an aryl, heterocyclyl, aryloxy, heterocyclyloxy, arylthio, heterocyclthio, arylamino, or heterocyclylamino, or
- (d) a hydro, hydroxy, mercapto, amino, cyano, formyl, nitro, halo, or aminocarbonyl,

in such position.

2. (Currently amended) A composition comprising a compound according to claim 1 and at least one other active compound where such active compound is at least insecticidally, acaricidally, or nematocidally active a phytologically-acceptable inert carrier.

- 3. (Canceled)
- 4. (Canceled)
- 5. (Canceled)
- 6. (Canceled)